

**HYDRONIC SYSTEM CONTROL FOR HEATING AND COOLING**

A control system for controlling delivery of either heated or cooled water over a common water line to a plurality of heat exchangers. The control system includes a hydronic system controller which polls the heating or cooling demands of zone controllers controlling the respective delivery of water to the individual heat exchangers. The hydronic system controller is operative to implement a changeover between delivery of heated ~~or cooled~~ water to delivery cooled water or vice versa.

The implemented changeover preferably includes checking the temperature of the water being returned to the source or sources for heating or cooling the water as well as defining a changeover time period which must occur in the event that the temperature of the water in the return line is not within a predefined range.

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